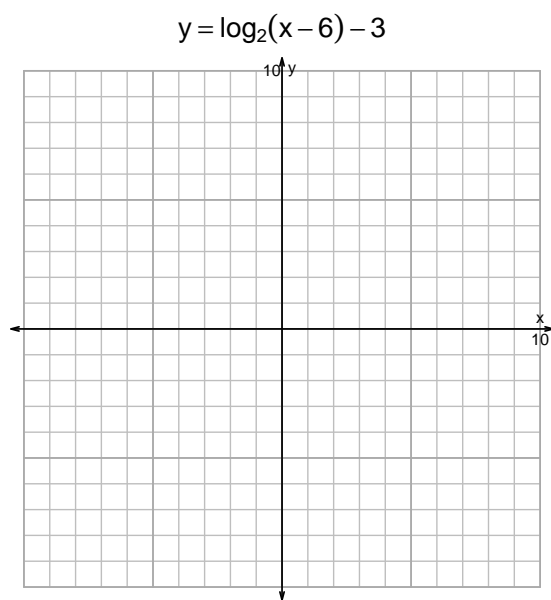
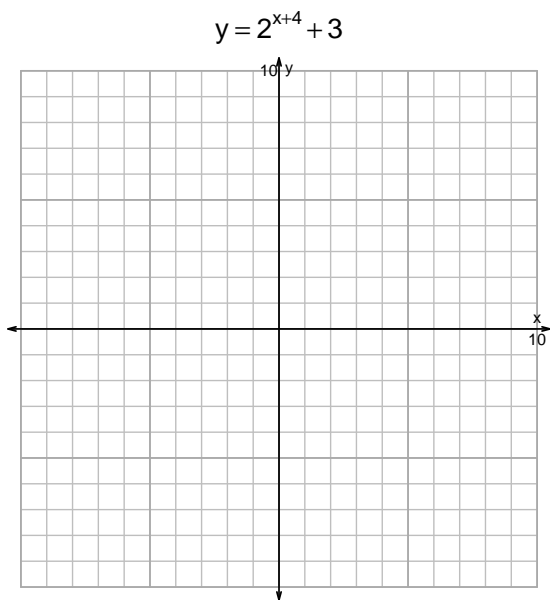


Name: _____

Date: _____

s18QUIZ: EXP LOG (QUIZ v262)

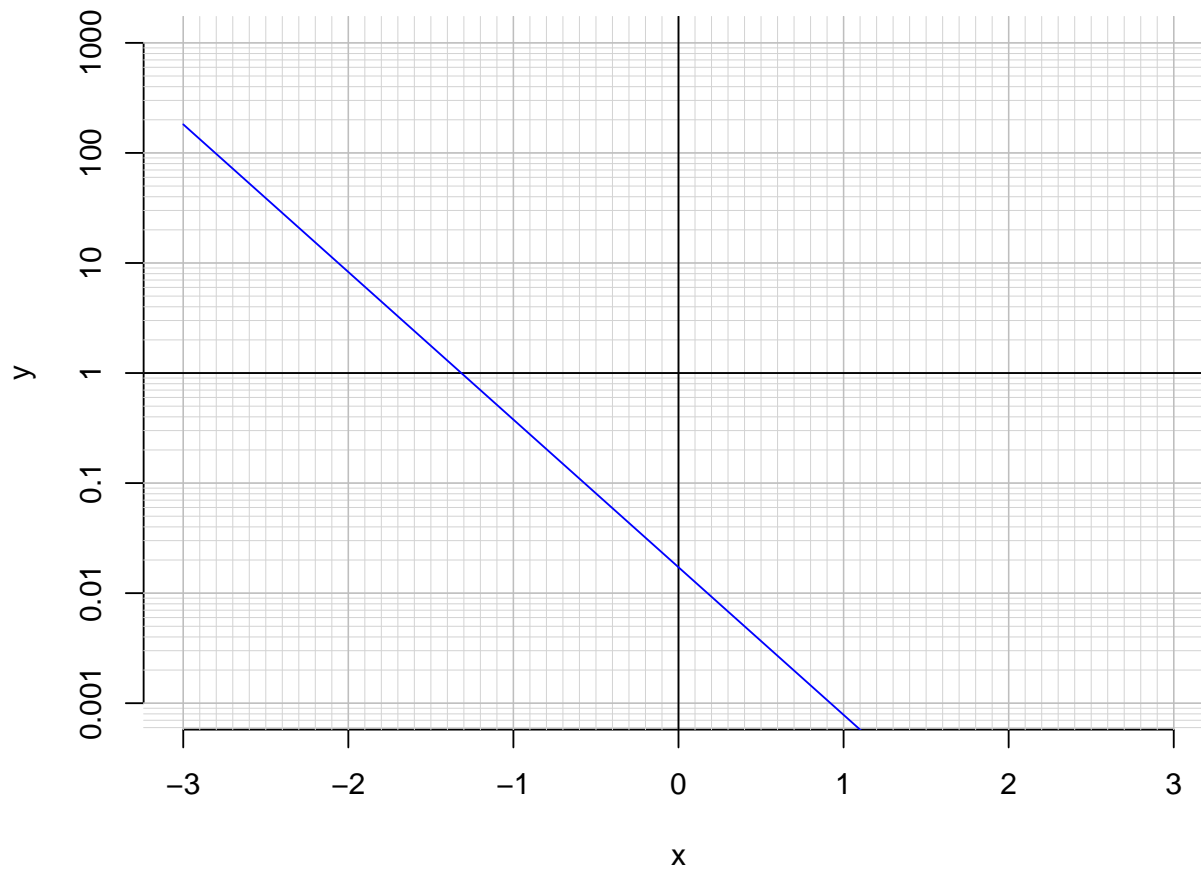
1. Graph $y = 2^{x+4} + 3$ and $y = \log_2(x - 6) - 3$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$23 = \left(\frac{5}{3}\right) \cdot 10^{-4t/7}$$

3. An exponential function $f(x) = 0.0172 \cdot e^{-3.09x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(0.4)$.

b. Express $f^{-1}(x)$, the inverse of f .

c. Using the plot above, evaluate $f^{-1}(0.7)$.